

Appln. No. 10/650,309

Attorney Docket No. 10541-2094

I. Listing of Claims

1. (Original): A circuit comprising:

a first electrically conductive member having a first and a second surface and a first aperture;

a first dielectric member which is coupled to said first surface;

a second dielectric member which is coupled to said second surface;

a first circuit assembly having a second electrically conductive member which is coupled to said first dielectric member, said first circuit assembly further including a third electrically conductive member and a first core member which is contained between said second and said third electrically conductive members and which includes at least one air-bridge; and

a second circuit assembly having a fourth electrically conductive member which is coupled to said second dielectric member, said second circuit assembly further including a fifth electrically conductive member and a second core member which is contained between said fourth and said fifth electrically conductive members and which includes at least one air-bridge, said first electrically conductive member cooperating with said first and second circuit assemblies and with said first and second dielectric members to form a multi-layer circuit board having a second aperture which extends through said multi-layer circuit board and which is aligned with said first aperture; and

electrically conductive material resident within said second aperture.

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2. (Original): The electric circuit board of claim 1 further comprising material which supports said at least one air-bridge of said first circuit assembly.
3. (Original): The electronic circuit board of claim 1 wherein said first and second core members comprise aluminum and wherein said first electrically conductive member comprises copper.
4. (Original): The electronic circuit board of claim 1 further comprising a third aperture having a first interior surface which extends through said first, second, third, fourth, and fifth electrically conductive members, and said first and second dielectric members, and said first and second core members.
5. (Original): The electronic circuit board of claim 1 wherein said third aperture includes a second interior surface and wherein said second interior surface is electrically isolated from said first electrically conductive member.
6. (Original): The electronic circuit board of claim 5 wherein said first electrically conductive member is coupled to electrical ground.
7. (Original): The electronic circuit board of claim 5 wherein said electrically conductive material is isolated from said first electrically conductive member.

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8. (Withdrawn): A method for making a circuit board assembly comprising the steps of:

providing a first member having a aperture;

providing a second and third members having respective electrically conductive portions;

coupling said second and third members to said first member;

extending said aperture through said second and third members;

forming an air-bridge within said second member; and

placing electrically conductive material within said aperture.

9. (Withdrawn): The method of claim 8 wherein said aperture includes an interior surface which is isolated from electrical ground potential.

10. (Withdrawn): The method of claim 8 wherein a material is placed under said formed air-bridge.

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

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14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)